

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

10031385_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10031385 on September 22, 2004

- 5 455/212 (0 OR, 5 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/205 .Frequency or phase modulation
455/212 ..With squelch or other audio output silencing
- 5 455/228 (1 OR, 4 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/227 .Responsive to an input signal of particular
predetermined frequency
455/228 ..Responsive to specified modulation (e.g.,
call alarm, Conelrad)
- 5 455/45 (1 OR, 4 XR)
Class 455 : TELECOMMUNICATIONS
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/42 .Frequency or phase modulation
455/45 ..Via subcarrier
- 4 340/825.72 (0 OR, 4 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/825 SELECTIVE
340/825.71 .Frequency responsive actuation
340/825.72 ..Wireless link
- 4 455/205 (3 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/205 .Frequency or phase modulation
- 3 340/870.02 (1 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,
TELEMETERING)
340/870.02 ..With meter reading
- 3 340/870.03 (0 OR, 3 XR)

10031385_CLSTITLES

Class 340 : COMMUNICATIONS: ELECTRICAL
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,
TELEMETERING)
340/870.02 .With meter reading
340/870.03 ..Having plural transmitters

3 340/870.11 (0 OR, 3 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/870.01 CONTINUOUSLY VARIABLE INDICATING (E.G.,
TELEMETERING)
340/870.11 .Plural transmitters

3 455/226.4 (2 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/226.1 .Measuring or testing of receiver
455/226.4 ..With meter or indicator

2 340/825.02 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/825 SELECTIVE
340/825.02 .Tree or cascade

2 340/825.73 (0 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/825 SELECTIVE
340/825.71 .Frequency responsive actuation
340/825.73 ..Plural frequencies

2 342/354 (0 OR, 2 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/350 DIRECTIVE
342/352 .Including a satellite
342/354 ..With beam steering

2 375/130 (1 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/130 SPREAD SPECTRUM

2 381/4 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/1 BINAURAL AND STEREOPHONIC
381/2 .Broadcast or multiplex stereo
381/3 ..FM final modulation
381/4 ...AM subcarrier

10031385_CLSTITLES

- 2 455/194.1 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/150.1 .Signal selection based on frequency (e.g.,
tuning)
455/194.1 ..With muting (e.g., silent tuning)
- 2 455/195.1 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/150.1 .Signal selection based on frequency (e.g.,
tuning)
455/195.1 ..Variable voltage or current tuning
- 2 455/208 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/205 .Frequency or phase modulation
455/208 ..With synchronized or controlled local
oscillator
- 2 455/222 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/218 .Squelch
455/222 ..Noise controlled
- 2 455/226.2 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/226.1 .Measuring or testing of receiver
455/226.2 ..Signal strength
- 2 455/263 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/230 .Local control of receiver operation
455/255 ..Local oscillator frequency control
455/257 ...Automatic
455/258Utilizing particular local oscillator
control

10031385 CLSTITLES

455/263

.....Discriminator or detector

2 455/345 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/344 .Combined with diverse art device

455/345 ..With vehicle

2 455/506 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/500 .Plural transmitters or receivers (i.e., more
than two stations)

455/501 ..Noise, distortion, or singing reduction

455/504 ...Fading compensation

455/506Rayleigh or multipath fading

2 455/557 (1 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/557 ..Interface attached device (e.g., interface
with modem, facsimile, computer, etc.)

2 455/67.7 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11 .Having measuring, testing, or monitoring of
system or part

455/67.7 ..With indication (e.g., visual or voice
signalling, etc.)

2 455/70 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/68 .With control signal

455/70 ..Receiver control signal originates at messag

e

transmitter

2 455/701 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

10031385_CLSTITLES
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/68 .With control signal
455/701 ..Tone coded squelch

10031385_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10031385 on September 22, 2004

Original Classifications

3 455/205
2 455/226.4

Cross-Reference Classifications

5 455/212
4 340/825.72
4 455/228
4 455/45
3 340/870.03
3 340/870.11
2 340/825.02
2 340/825.73
2 340/870.02
2 342/354
2 381/4
2 455/195.1
2 455/208
2 455/263
2 455/345
2 455/67.7
2 455/70
2 455/701

Combined Classifications

5 455/212
5 455/228
5 455/45
4 340/825.72
4 455/205
3 340/870.02
3 340/870.03
3 340/870.11
3 455/226.4
2 340/825.02
2 340/825.73
2 342/354
2 375/130
2 381/4
2 455/194.1
2 455/195.1
2 455/208
2 455/222
2 455/226.2

10031385_CLS

2 455/263
2 455/345
2 455/506
2 455/557
2 455/67.7
2 455/70
2 455/701

10031385_LIST

100313

85

PLUS Search Results for S/N 10031385, Searched September 22, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

4403208
4450589
5507024
4584708
4780885
4856084
5202924
5365516
4435843
4476581
4591805
5260711
5553094
5659300
5673252
5719827
5854812
5963146
6172616
4245348
4252995
4283794
4297700
4320532
4322857
4388726
4426735
4432090
4435845
4509205
4544965
4547902
4580287
4608711
4775997

10031385_LIST

4799212
4800369
4819053
4821122
4837567
4893347
4893349
4922517
4970523
4975707
5198779
5241690
5251053
5267233
5289464